

## **CABLE AND WIRE IDENTIFICATION**

### **1.0 SCOPE**

1.1 Scope. This document establishes a standard for the identification of cables and wires to be observed by contractors supplying electronic and electrical equipment or systems.

1.2 Application. The requirements of this standard shall apply to equipment or systems developed or made to Government specifications. The requirements apply to both custom and commercial equipment provided by the contractor in order to satisfy the Government specifications, and to cables and wire connecting such equipment to existing equipment or systems.

1.3 Contracting Officer's Technical Representative. The Contracting Officer's Technical Representative (COTR) shall provide the final interpretation of any conflict between this standard and specific contract requirements.

1.4 Waivers. Any request for waiver of specific requirements of this standard shall be submitted in writing to the COTR and to the Contracting Officer. A request waiver must include: a) identification of the paragraphs for which the waiver is requested; b) identification of the systems, equipment, or components for which the waiver is requested; and c) a discussion of rationale for granting the waiver, including impact on reliability, maintainability, schedule, and cost if the waiver is not granted.

### **2.0 APPLICABLE DOCUMENTS**

None.

### **3.0 REQUIREMENTS**

3.1 General. Cables supplied as part of electronic equipment shall be identified in conformance with this standard.

3.2 Definitions. For the purposes of this standard the following definitions shall apply:

- (a) Cable - An interconnecting lead, single or multiconductor, for power, signal, control or grounding.
- (b) Intrasystem cable - A cable interconnecting units of the same system or subsystem. Cables of this category are numbered W0001 through W4999.
- (c) Intersystem cable - A cable interconnecting units of two or more major systems or subsystems. Cables of this category are numbered W5000 through W9999.
- (d) Cable designator - The letter W used to identify the serial sequence numbers as applying to a listed cable. To further identify cable location an additional letter may be prefixed before the W. Currently assigned letters are:

A	GOES Station A (Wallops)
B	GOES Station B (Wallops)
C	GOES Station C/Redundant (Wallops) 13 Meter Antenna/RF System (Wallops)
D	8 Meter Antenna/RF System (Wallops)
E	7 Meter Antenna/RF System (Wallops)
F	26 Meter Antenna/RF System (Wallops)
G	14.2 Meter Antenna/RF System (Wallops)
HR	Hurricane Rated GOES Antennas (Wallops)
I-S	Redundant items and interconnection (Wallops)
T	Maintenance, test, and development units (Wallops GOES)
T	TIROS (Wallops and Gilmore)
X	GOES/TIROS interconnect and miscellaneous (Wallops and Gilmore).

Z Common or shared units

(Additional assignments will be made as required).

(e) Cable group designator - Cables are grouped according to characteristics and performance. Group classification is denoted by a suffix as listed:

C Control

F RF (radio frequency) and IF (intermediate frequency)

G Grounding

L Logic bits

M Monitor and instrumentation

N Network (Ethernet, FDDI, Internet, etc.)

P Power

PC Patch cords

T Timing

V Video, audio

(Additional assignments will be made as required).

3.3 Marking System. Each cable shall carry an identification number with identification of near-end and far-end termination. Details are given below.

3.3.1 Cable number. In general, blocks of numbers will be assigned to each system or subsystem for application to the cables. These "W" numbers will be selected in accordance with items (b) and (c) of Section 3.2.

3.3.2 Cable identification. Full cable identification, applied to each end of the cable, consists of the following designators in the order listed:

(a) Near-end connector (jack, plug, terminal) number.

- (b) Near-end unit (rack) and/or sub-unit (panel or chassis) number.
- (c) System designator prefix letter.
- (d) Serial ("W") number.
- (e) Cable group designator.
- (f) Far-end unit or sub-unit number.
- (g) Far-end connector number.

**Note: Legends for the two ends of a cable are reverse images, and the near end connector designation is always adjacent to the near end connector. An example is shown in Figure 1.**

3.3.3 Cable markers. Cable identification marker strips, as described herein, shall be prepared and affixed to each cable end. The finished cable marker shall present a neat appearance, with the legend visible when the cable is in place.

3.3.3.1 Indoor cables. Cables installed indoors or in a protected environment shall be marked with a self-laminating type label, Thomas and Betts catalog number WTW-2112 or WTS-2334, or approved equal. Legends shall preferably be typewritten, however, neat, engineering style, hand-lettering may be used for field prepared labels.

3.3.3.2 Outdoor cables. Cables installed outdoors or in exposed locations shall be of a non-corrosive metallic material with the legend applied by embossing, or a plastic material with the legend applied by engraving.

## 4.0 CONTROL

4.1 Control. Control of the cable numbering system for each system or subsystem shall be maintained by the Contractor's cognizant technical officer. All cable number assignments and changes shall be made under his authority.

4.2 Cable codes. Table 1 lists cable codes to be used in compilation of system cable lists. The codes are purely arbitrary. If a contractor requires a type of cable not included, the list will be expanded to include the new requirement.

4.3 Connector codes. Table 2 lists connector codes to be used in compilation of system cable lists. The codes are purely arbitrary. If a contractor requires a connector not included, the list will be expanded to

include the new requirement.

S24.803

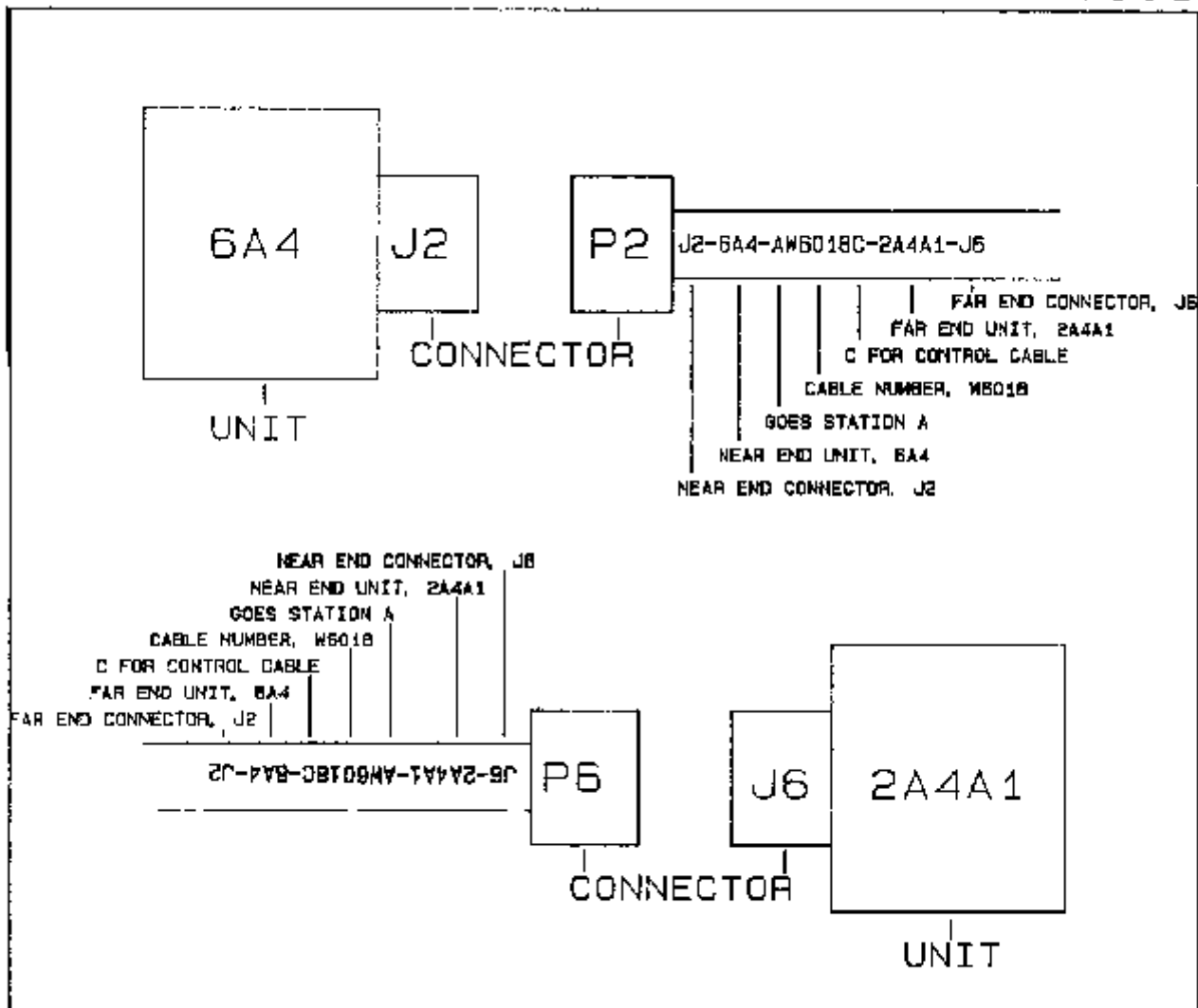


FIGURE 1

TABLE 1  
CABLE CODES

<u>CODE</u>	<u>CABLE TYPE</u>
A	AWG #8, 2 Conductor Power Cable
B	AWG #10, 2 Conductor Power Cable
C	AWG #22, Single (1) Twisted Shielded Pair
D	AWG #22, Six (6) Individually Twisted Shielded Pairs
E	AWG #22, 12 Conductor Overall Shield
F	AWG #22, 27 Conductor Overall Shield
G	AWG #22, 37 Conductor Overall Shield
H	AWG #22, 48 Conductor Overall Shield
I	AWG #22, 72 Conductor Overall Shield
J	AWG #22, Three (3) Pair, Individually Twisted Shielded Pairs
K	AWG #22, Nine (9) Pair, Individually Twisted Shielded Pairs
L	AWG #22, Fifteen (15) Pair, Individually Twisted Shielded Pairs
M	AWG #20, Single Conductor
N	AWG #16, Twelve (12) Conductor
O	AWG #12, Twelve (12) Conductor
P	AWG #16, Twenty-seven (27) Shielded Pair
Q	AWG #20, Fifteen (15) Shielded Pair
R	RG-223/U, Coaxial, 50 ohm
S	RG-214/U, Coaxial, 50 ohm

T	RG-59A/U, Coaxial, 75 ohm	
<u>CODE</u>	<u>CABLE TYPE</u>	
U	RG-71/U, Coaxial, 93 ohm	
V	RG-108A/U, Twinaxial, 75 ohm	
W	Patch Cord: Trompeter PCW-12-50, 12"/patch plug-to-patch plug/50 ohm	
X	Patch Cord: Trompeter PCW-6-50, 6"/patch plug-to-patch-plug/50 ohm	
Y	Patch Cord: Trompeter PCW-6-75, 6"/patch plug-to-patch-plug/75 ohm	
Z		
AA	Coax, Andrew HJA7-50A	
BB	RG-233/U, Phelps Dodge 1-5/8" Styroflex, 50 ohm	
CC	RG-232/U, Phelps Dodge 7/8" Styroflex, 50 ohm	
DD	RG-247/U, Phelps Dodge 7/8" Styroflex, 75 ohm	
EE	RG-253/U, Prodelin 1/2" Spiroline, 50 ohm	
FF	RG-254/U, Prodelin 7/8" Spiroline, 50 ohm	
GG	RG-258/U, Prodelin 1-5/8" Spiroline, 50 ohm	
HH	AWG #4/0, Single Conductor Stranded, Type TW	
II	AWG #8, Single Conductor Stranded, Type TW	
JJ	Braid, Tinned Copper 1/2" flat, AWG No. 36 wires	
KK	Coaxial, Phelps odge Spirafil II SLA-12-50	
LL	RG-179/U, Coax, 75-ohm	
MM	AWG #24, Sixteen (16) Individually Twisted Shielded Pairs EIA Std RS-232C interface)	(compatible for



NN            AWG #24, Ten (10) Single Conductors, and Twelve (12) Individually Twisted Shielded Pairs (compatible for EIA Std. RS-232C interface)

CODE            CABLE TYPE

OO            AWG #24, Two (2) Individually Twisted Shielded Pairs  
(compatible for EIA Std. RS-232C interface)

PP            AWG #24, Twelve (12) Single Conductors and Three (3) Twisted Pairs

RR            AWG #24, Single (1) Twisted Shielded Pair

SS            AWG #24, Two (2) Twisted Pairs Overall Shield

TT            AWG #24, Fifteen (15) Twisted Pairs Overall Shield

UU            AWG #24, Four (4) Twisted Pairs Overall Shield

VV            AWG #24, Five (5) Twisted Pairs Overall Shield

WW            AWG #28, Twenty-five (25) Conductor Ribbon

XX            AWG #28, Fifty (50) Conductor Ribbon

YY            AWG #18, Three (3) Conductor

ZZ            AWG #18, Ten (10) Conductor

a            AWG #18, Eleven (11) Conductor

b            AWG #18, Twelve (12) Conductor

c            AWG #18, Seventeen (17) Conductor

d            AWG #18, Twenty-six (26) Conductor

e            AWG #20, Eight (8) Conductor

f            AWG #20, Fifteen (15) Conductor

g            AWG #18, Thirty-seven (37) Conductor

h	AWG #22, Six (6) Conductor
i	AWG #22, Twenty-four (24) Conductor
j	AWG #24, Twelve (12) Conductor
<u>CODE</u>	<u>CABLE TYPE</u>
k	AWG #26, Fifty (50) Conductor
l	AWG #20, Twenty-Seven (27) Pairs
m	AWG #20, Seventy-Five (75) Pairs
n	AWG #18, Six (6) Pairs, Individually Twisted Shielded Pairs
o	AWG #18, Nine (9) Pairs, Individually Twisted Shielded Pairs
p	AWG #18, Sixteen (16) Pairs, Individually Twisted Shielded Pairs
q	AWG #20, One (1) Pair, Individually Twisted Shielded Pair
r	AWG #20, Three (3) Pairs, Individually Twisted Shielded Pairs
s	AWG #20, Five (5) Pairs, Individually Twisted Shielded Pairs
t	AWG #22, Fifteen (15) Pairs, Individually Twisted Shielded Pairs
u	AWG #18, Six (6) Pairs, Individually Twisted Shielded Pairs
v	
w	AWG #22, Five (5) Pairs, Individually Twisted Shielded Pairs
x	350004
y	350005
z	350008
aa	350010
bb	350012

cc	350013
dd	350014
ee	350015

<u>CODE</u>	<u>CABLE TYPE</u>
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ff	350016
gg	350020
hh	350023
ii	310812
jj	AWG #2
kk	AWG #12, Two (2) Conductor Power Cable
ll	AWG #12, Three (3) Conductor Power Cable
mm	AWG #16, Three (3) Conductor Power Cable
nn	AWG #16, Six (6) Conductor Power Cable
oo	AWG #16, Seven (7) Conductor Power Cable
pp	AWG #12, Four (4) Conductor, SO Power Cable
qq	AWG #2, Four (4) Conductor, SO Power Cable
rr	RG-218 Coaxial
ss	3" Coaxial (Cablewave) 16733-810905-001 HCC 300 505 210
tt	1/2 " Foamflex (Cablewave) 810918-001 FLG
uu	AWG #20, Nineteen (19) Conductor
vv	AWG #20, Thirty-seven (37) Conductor

ww	AWG #20, Three (3) Conductor
xx	FLC12-50J Coax 50 Ohm Foam Filled
yy	FSJ1-50 1/4" Coax
zz	AWG #20, Sixteen (16) Pairs, Individually Twisted Shielded Pairs
<u>CODE</u>	<u>CABLE TYPE</u>
AAA	AWG #16, Fifty (50) Conductor Overall Shielded
BBB	AWG #16, Six (6) Individually Twisted Shielded Pairs
CCC	AWG #20, Twelve (12) Individually Twisted Shielded Pairs
DDD	AWG #24, Six (6) Individually Twisted Shielded Pairs
EEE	AWG #20, Fifty (50) Conductor Overall Shielded
FFF	AWG #20, Six (6) Individually Twisted Shielded Pairs
GGG	AWG #22, Thirty-Seven (37) Single Conductor Spiral Wrap
HHH	AWG #22, Fifty (50) Single Conductors Spiral Wrap
III	AWG #16, Eight (8) Conductor
JJJ	AWG #20, Twenty-five (25) Conductor
KKK	
LLL	AWG #16, Four (4) Conductor
MMM	AWG #20, Two (2) Pairs, Individually Twisted overall Shielded
NNN	AWG #16, Two (2) Conductor
OOO	AWG #18, Four (4) Conductor
PPP	AWG #18, Eight (8) Conductor

QQQ	LDF4-50A Semi-Rigid by Andrews
RRR	AWG #24, Twelve (12) Individually Twisted Shielded Pairs
SSS	AWG #22, Twenty-Seven (27) Single Conductors, Spiral Wrap
TTT	AWG #20, Thirty (30) Conductor

TABLE 2  
CONNECTOR CODES

<u>CODE</u>	<u>CONNECTOR</u>
1 UG-260D/U	Type-BNC, straight plug, RG/U-59
2	Terminal lug, crimp appropriate size to fit wire and stud
3 XL12-3-15	Cannon ITT, Audio
4 MS3106A-36-10P	Circular, straight plug, 48 pin, male
5 MS3100A-36-10S	Circular, wall receptable, 48 pin, female
6 MS3106A-28-12S	Circular, straight plug, 26 pin, female
7 MS3106A-24-5S	Circular, straight plug, 16 pin, female
8 UG-88/U	Type-BNC, Straight plug, RG/U-58/141/142
9 UG-21D/U	Type-N, Straight plug, RG/U-8/9/213
10 UG-94A/U	Type-N, Straight plug, RG/U-11/13
11 UG-536B/U	Type-N, Straight plug, RG/U-58/141
12 UG-111/U	Type-UHF, Straight plug, RG/U-59/62
13 UG-603/U	Type-N, Straight plug, RG/U-59/62/71
14 Dage S004-1	Type-TNC
15	Direct solder to terminals installed
16	
17 P-408-CCT	TRW/Cinch Jones Plug, 8 pin

18 200277-4 AMP

CODE

CONNECTOR

19

20 ZX 13 Printed circuit connector

21 200276-4 AMP

22 320266-8 AMP

23 320663-8 AMP

24 MS3106A-20-3P Circular, Straight plug, 3-pin, male

25 87R Andrew

26 735540 Phelps Dodge, EIA Flange

27 735501 Phelps Dodge, 1 5/8" Type-N, male

28 735502 Phelps Dodge, 1 5/8" Type-N, female

29 735503 Phelps Dodge, 1 5/8" Splice

30 UG/260B/U Type-BNC, Straight plug, RG/U-59/62/71

31 6000 Greomar, Type-TNC, male, RG/U-58/223

32 6005 Greomar, Type-TNC, male, RG/U-59/71

33 5334 Type-N, male, 50 ohm

34 735140 Phelps Dodge, Type-N, male, 7/8"

35 735141 Phelps Dodge, Type-N, female, 7/8"

36 73402 Phelps Dodge, Splice, 7/8"

37	ST78-75NM	Phelps Dodge, Type-N, female, 7/8", 75 ohm
38	ST78-75NF	Phelps Dodge, Type-N, female, 7/8", 75 ohm
39	ST78-75S	Phelps Dodge, Splice, 7/8", 75 ohm

CODE

CONNECTOR

40	96-500	Prodelin, Type-N, male bulkhead, 1/2"
41	96-875	Prodelin, Type-N, male bulkhead, 7/8"
42	96-1625	Prodelin, Type-N, male bulkhead, 1 5/8"
43	735751	Phelps Dodge, Type-N, female, 1/2"
44	MS-50-PM834	Burndy, 50 pin, male
45	MS-50-RM824	Burndy, 50 pin, female
46	MS-26-PM824	Burndy, 26 pin, male
47	MS-26-RM824	Burndy, 26 pin, female
48	MS-39012/16-002	Type-BNC plug, RG/U-59
49	31-315	Amphenol, Type-BNC, straight plug, RG/U-17
50	DB-25P	TRW/Cinch, Type-"D", 25 pin, male
51	MS-15-PM824	Burndy, 14 pin, male
52	MS-34-PM804	Burndy, 34 pin, male
54	31-2373	Amphenol, Type-TNC
55	220-1N052	Amphenol, 52 pin, female
56	MS-3106E-20-29P	Circular, straight plug, 17 pin, male
57	MS-3106E-145-2P	Circular, straight plug, 17 pin, male



58 MS-3103-145-9P	Circular, straight plug, 17 pin, male
59 MS14RM824	Burndy, 14 pin, female
60 3461-0000	3M, 20 pin, ribbon
61 3415-0000	3M, 50 pin, ribbon

CODE

CONNECTOR

62 MRAC42SJTC6H	Winchester, 42 pin, female
63 MRAC14PJTC6H13	Winchester, 14 pin, female
64 MRAC42PJTC6H	Winchester, 42 pin, male
65 201355-3	AMP
66 573014-0	AMP
67 573050-0	Amphenol
68 993188-8	Amphenol
69 200271-4	Amphenol
70 200838	Amphenol
71 201358-3	Amphenol
72 201443-2	Amphenol
73 203757-3P	Amphenol
74 CA32-2010-10P	ITT, Cannon
75 CA32-2010-10S	ITT, Cannon
76 CA06RXA20-29S	ITT, Cannon
77 CA06RXA280-1P	ITT, Cannon

78

79 CA06RXA28-1S           ITT, Cannon

80 CA06RXA28-12S       ITT, Cannon

81 CA06RXA28-21       ITT, Cannon

82 MS17804-16-20-1

CODE

CONNECTOR

83 MS17803-16-20-2

84 MS25035-112-3

85 MS3102-22-14S       Circular, box receptacle, 19-pin, female

86 MS3102A-14S-6P      Circular, box receptacle, 6-pin, male

87 MS3102E-20-27P      Circular, box receptacle, 14-pin, male

88 MS3102E-22-14S      Circular, box receptacle, 19-pin, female

89 MS3102-16-9P       Circular, box receptacle, 4-pin, male

90 MS3102-20-27S       Circular, box receptacle, 14-pin, female

91 MS3102R-20-29S      Circular, box receptacle, 17-pin, female

92 MS3106E-18-1P       Circular, straight plug, 10-pin, male

93 MS3106A-18-1S       Circular, straight plug, 10-pin, female

94 MS3106A-18-PC

95 MS3106A-20-29P      Circular, straight plug, 17-pin, male

96 MS3106A-20-29S      Circular, straight plug, 17-pin, female

97 MS3106E-12S-3P      Circular, straight plug, 2-pin, male

98	MS3106E-14S-5S	Circular, straight plug, 5-pin, female
99	MS3106E-14S-6P	Circular, straight plug, 6-pin, male
100	MS3106E-14S-6S	Circular, straight plug, 6-pin, female
101	MS3106E-14S-8P	Circular, straight plug,
102	MS3106E-16S-8P	Circular, straight plug, 5-pin, male
103	MS3106E-20-7P	Circular, straight plug, 8-pin, male
<u>CODE</u>		<u>CONNECTOR</u>
104	MS3106E-20-7S	Circular, straight plug, 8-pin, female
105	MS3106E-20-20P	Circular, straight plug, 4-pin, male
106	MS3106E-20-27S	Circular, straight plug, 14-pin, female
107	MS3106E-20-29P	Circular, straight plug, 17-pin, male
108	MS3106E-20-29S	Circular, straight plug, 17-pin, female
109	MS3106E-20-35	
110	MS3106E-22-14S	Circular, straight plug, 19-pin, female
111	MS3106E-22-18S	Circular, straight plug, 8-pin, female
112	MS3106E-22-20P	Circular, straight plug, 9-pin, male
113	MS3106E-24-28S	Circular, straight plug, 24-pin, female
114		
115	MS3106E-24-28P	Circular, straight plug, 24-pin, male
116	MS3106E-28-12P	Circular, straight plug, 26-pin, male
117	MS3106E-28-12S	Circular, straight plug, 26-pin, female

118 MS3106E-28-21S	Circular, straight plug, 37-pin, female
119 MS3106E-28-21P	Circular, straight plug, 37-pin, male
120 MS3106E-28-10P	Circular, straight plug, 7-pin, male
121 MS3106E-26-10S	
122 MS3106ER-20-4S	Circular, straight plug, 4-pin, female
123 MS3106ER-20-10P	

CODE

CONNECTOR

124 MS3106ER-20-11P	Circular, straight plug, 13-pin, male
125 MS3106ER-20-11S	Circular, straight plug, 13-pin, female
126 MS3106-10SL-4S	Circular, straight plug, 2-pin, male
127 MS3108E-14S-5P	Circular, angle plug, 5-pin, male
128 MS3108E-20-29P	Circular, angle plug, 17-pin, male
129 ST158-50LT	Phelps Dodge
130 SE63264P	
131 SE602301-6	
132 SE66162-3	
133 SE83264-0	
134 10624	ELCO
135 KS-16690L1	
136 L5-20P	

137	L5-20R	
138	3M34	3M
139	201355-1	Amp, 14 Position
140	202704-1	Amp, 40 Position
141	8016-020-000-709	ELCO, 20 Pin
142	8016-056-000-709	ELCO, 56 Pin
143	8016-056-000-703	ELCO, 56 Pin
144	8016-038-000-709	ELCO, 38 Pin
<u>CODE</u>		<u>CONNECTOR</u>
145	8016-038-000-703	ELCO, 38 Pin
146	8016-020-000-703	ELCO, 20 Pin
147	PL75-9	TwinaX Plug
148	202950-1	Amp, 40 Position, Socket
149	UG-154A/U	LG Connector for RG-218
150	738355	3" Coax Connector (Cablewave)
151	201298-3	Amp, 14 Position
152	MS3106E28-16P	Cannon, Straight Plug, 20 Pin
153	MS3106E28-16S	Cannon, Straight Plug, 20 Pin
154	MS3106El6S-5P	Cannon, Straight Plug, 3 Pin
155	10-214620-11P	Bendix, Straight Plug, 13 Pin
156	10-214-622-14S	Bendix, Straight Plug, 19 Pin

157	10-214614-7P	Bendix, Straight Plug, 3 Pin
158	MS3106A-10SL-35C	
159	738802	N Male for Cable FLS 12-50-J
160	738801	N Female for Cable FLS-12-50-J
161	226916-1	N Male for RG214
162	PE4109	BNC Male for RG214
163	PE4212	BNC Female for RG214
164	205209-1	AMP, Connector Receptacle, 37-Socket

CODE

CONNECTOR

165	MS3122E14-19SW	ITT Cannon, Circular, Box MGT. 19-Pin Female, Alternate Position
166	MS3122E18-32SW	ITT Cannon, Circular, Box MGT. 32-Pin Female, Alternate Position
167	MS3122E14-19SX	ITT Cannon, Circular, Box MGT. 19-Pin Female, Alternate Position
168	MS3122E14-19PW	ITT Cannon, Circular, Box MGT. 19-Pin Female, Alternate Position
169	MS3122E14-19PX	ITT Cannon, Circular, Box MGT. 19-Pin Female, Alternate Position
170	MS3122E18-32PW	ITT Cannon, Circular, Box MGT. 32-Pin Female, Alternate Position
171	DCMA-37P	ITT Cannon, 37-Pin, D-Female
172	2648	Thomas & Betts, Cord Grip, Liquidtight, 1" Str.

173 6002	Thomas & Betts, Conduit Fitting, 3/4" Str.
174 MS3122EI2-IOS	ITT Cannon, Circular, Box MGT. 10-Pin Female
175 41SWT	TNC Plug for FSJ1-50
176 3304	Thomas & Betts, 2-Screw Connector 1" Hub
177 3303	Thomas & Betts, 2-Screw Connector 3/4" Hub
178 MS3122EI4-I9S	ITT Cannon, Circular, Box MGT. 19-Pin, Female
179 MS3122EI8-32P	ITT Cannon, Circular, Box MGT. 32-Pin, Male
180 AT283-22	ABBOTEC, Nut Plate Connector Shell Size 22
181 AT283-14	ABBOTEC, Nut Plate Connector Shell Size 14
182 MS3122E22-55P	ITT Cannon, Circular, Box MGT. 55-Pin, Male

CODE

CONNECTOR

183 609-015	Thomas & Betts, Ribbon Connector
184 609-024	Thomas & Betts, Ribbon Connector
185 DCMA-37S	ITT Cannon, 37-Pin, D, Female
186 DBMA-25P	ITT Cannon, 25-Pin, D, Male
187 MS3122EI8-32S	ITT Cannon, Circular, Box MGT. 32-Pin, Female
188 MS3122EI4-I2S	ITT Cannon, Circular, Box MGT. 8-Pin, #20 Female; 4-Pin, #16 Female
189 MS3122EI4-I2SW	Same as Above Except Alternate Position
190 3302	Thomas & Betts, 2-Screw Connector Insulated
191 3303	Thomas & Betts, 2-Screw Connector Insulated

192 3304	Thomas & Betts, 2-Screw Connector Insulated
193 2633	Thomas & Betts, Cord-grip, Liquidtight 1/2" Str.
194 2641	Thomas & Betts, Cord-grip, Liquidtight 3/4" Str.
195 6001	Thomas & Betts, Flex Conduit Fitting 1/2" Str.
196 6012	Thomas & Betts, Flex Conduit Fitting 1/2" Elbow
197 MS3122E14-19P	ITT Cannon, Circular, Box MGT. 19-Pin, Male
198 MS3122E22-55S	ITT Cannon, Circular, Box MGT. 55-Pin, Female
199 L44N	Andrews, Type N

## 5.0 DOCUMENTATION

5.1 Cable list. The contractor shall fully document all cables supplied as part of the equipment. The cable list shall give the following information for each cable:

- (a) Assigned cable number
- (b) Marking applied at one end of cable
- (c) Marking applied at other end of cable
- (d) Location of both cable ends
- (e) Type of connectors at each end
- (f) Type of wire or cable employed
- (g) Purpose of cable
- (h) Cable length in feet



- (i) Other pertinent information  
(i.e., solder/crimp; tooling required)

The required information shall be organized and presented in a logical, preferably tabular, form. The cable list shall be incorporated into the equipment maintenance and operation manual (NOAA/NESDIS Standard No. S24.801, "Preparation of Operator and Maintenance Manuals"). Sample forms suitable for cable fabrication documentation and system cableing summation are attached (Attachment 1: "Cable Fabrication Chart," and Attachment 2: "Cable Runs List."

## ATTACHMENT #1

## "CABLE FABRICATION CHART"

[illegible]



ATTACHMENT #2  
"CABLE RUNS LIST"

TITLE:

Page \_\_\_\_ of \_\_\_\_

Cable			Connector Type	From	To	Connector Type	Remarks/Function
'W' #	Length	Type					

